

Message Text

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PAGE 01 STATE 179138
ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 FEA-01 ACDA-10 CIAE-00
INR-07 IO-14 L-03 NSAE-00 NSC-05 EB-08 NRC-07
OES-07 DODE-00 SS-15 SP-02 /099 R

DRAFTED BY USERDA:DMFE:RLBINGHAM
APPROVED BY OES/APT/SEP:DCRAMER
USERDA:AIA:BDHILL
EUR/SOV:PHUGHES

-----016054 301120Z /15

R 300138Z JUL 77
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW

UNCLAS STATE 179138

E.O. 11652:

TAGS: US,UR,TECH,TGEN,ENRG

SUBJECT: US-USSR ATOMIC ENERGY AGREEMENT: (07.0301)
HIGH BETA TOKAMAK THEORY EXCHANGE

1. PLEASE DELIVER FOLLOWING LETTER TO G. A. ELISEEV
(KURCHATOV INSTITUTE) WITH COPY TO D.F.KHOKHLOVA (SCAE).

2. 07.0301 - 26 JULY 1977

DR. G. A. ELISEEV
STATE COMMITTEE FOR THE UTILIZATION
--OF ATOMIC ENERGY
KURCHATOV INSTITUTE OF ATOMIC ENERGY
26 ULITSA KURCHATOVA
MOSCOW, USSR

DEAR YURI:
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SUBJECT: HIGH BETA TOKAMAK THEORY EXCHANGE

AFTER DISCUSSIONS BETWEEN U.S. EXPERTS AND VISITING SOVIET
SCIENTISTS WE WOULD LIKE TO SUGGEST THAT THE HIGH BETA
TOKAMAK THEORY EXCHANGE BE SCHEDULED FROM SUNDAY,

SEPTEMBER 11 (ARRIVAL IN MOSCOW) TO SUNDAY,
SEPTEMBER 25 (DEPARTURE).

THE U.S. TEAM WILL CONSIST OF WALTER SADOWSKI (DMFE/ERDA);
GLENN BATEMAN (ORNL); JOHN HOGAN (ORNL); JOHN JOHNSON
(PPPL); ALLAN GLASSER (PPPL) AND MINC CHU (GENERAL ATOMIC).
IN ADDITION WE WOULD LIKE TO INCLUDE DIETER SIGMAR (ORNL)
FOR THE FIRST WEEK ONLY AND WE HOPE THIS WILL BE POSSIBLE.

OUR PROPOSED SCHEDULE FOR THIS EXCHANGE IS AS FOLLOWS:

SEPTEMBER 11: ARRIVAL IN MOSCOW

SEPTEMBER 12-17: HIGH BETA TOKAMAK THEORY WORKSHOP IN
MOSCOW.

---TOPICS: EQUILIBRIUM, STABILITY, TRANSPORT.

-----TOPICS WILL BE DISCUSSED CONCERNING ACCESSI-
BILITY OF HIGH-B EQUILIBRIA (5-10), FLUX CONSERVATION IN
THE PRESENCE OF HIGH POWER AUXILIARY HEATING, STABILITY TO
BALLOONING MODES, ANOMALOUS TRANSPORT. RELEVANCE OF
EXPERIMENTAL DATA PRESENTLY AVAILABLE FROM SUCH DEVICES AS
SPICA TO HIGH-B TOKAMAKS WOULD ALSO BE DISCUSSED. THE
SOVIET SIDE IS REQUESTED TO SUPPLY APPROPRIATE EXPERIMENTAL
INPUT TO THE EXCHANGE.
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SEPTEMBER 18-20: VISIT TO THE KHARKOV INSTITUTE OF PLASMA
PHYSICS. TRAVEL BY OVERNIGHT TRAIN IF FEASIBLE.

SEPTEMBER 21-23: VISIT TO THE INSTITUTES OF THE GEORGIAN
ACADEMY OF SCIENCES.

SEPTEMBER 23: RETURN TO MOSCOW

SEPTEMBER 24 OR 25: DEPARTURE FOR HOME

THE U.S. SIDE WOULD LIKE TO PROPOSE A WORKSHOP FORMAT WITH
FORMAL LECTURES IN THE MORNING AND ROUND TABLE DISCUSSIONS
IN THE AFTERNOON.

BEST REGARDS:

ROBERT L. BINGHAM
COORDINATOR FOR PLANS
DIVISION OF MAGNETIC FUSION ENERGY

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: AGREEMENTS, NUCLEAR ENERGY
Control Number: n/a
Copy: SINGLE
Sent Date: 30-Jul-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE179138
Document Source: CORE
Document Unique ID: 00
Drafter: DMFE:RLBINGHAM
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770274-0116
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
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Legacy Key: link1977/newtext/t1977071/aaaaaanv.tel
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Litigation Code IDs:
Litigation Codes:
Litigation History:
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Office: ORIGIN ERDA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
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Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 1718088
Secure: OPEN
Status: NATIVE
Subject: US-USSR ATOMIC ENERGY AGREEMENT: (07.0301) HIGH BETA TOKAMAK THEORY EXCHANGE
TAGS: TECH, TGEN, ENRG, US, UR
To: MOSCOW
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/61e78662-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009